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Mail ID: 6b8ed1df96504bd58241be73c08bf6fc

From: Jetter, James

To: mjohnson@berkeleyair.com; mjohnson14@gmail.com

Copy To: Mitchell, John

Delivered Date: 03/11/2014 12:32 PM EDT

Subject: RE: coordination on publishing lab and field testing results

Attachment: Stove Testing Information and Permission Form.docx [17 KB]

P.S. Michael,

As we discussed in Nairobi, will you send us any information you have on the field use of the rice hull gasifier stove in Vietnam? Also any information on other stoves we are testing in common?

Attached is the stove information request form we've used in the past (you helped us develop some of the questions).

Thank you.

Jim

From: Jetter, James

Sent: Tuesday, March 11, 2014 12:23 PM

To: Michael Johnson; Ranyee Chiang

Cc: Mitchell, John; omar masera (omasera@gmail.com); ilse ruiz (ilse.ruiz@gmail.com); Charity Garland

Subject: RE: coordination on publishing lab and field testing results

Hi Michael and All,

Thank you for the update – yes, it's exciting that we will be putting out a lot of related data! Here is an update on some of our related work:

We tested a Solgas stove from Peru with LPG (60% propane, 40% butane).

We tested the EcoChulha XXL stove with chipped wood fuel (low- and high-moisture).

We haven't tested the Éclair charcoal stove yet. We received three different versions made by Anfani in Benin and sent by John Mitchell – which one should we test?

We started testing the rice hull gasifier stove from Vietnam (that John also sent) and the Philips ACE stove with Inyenyeri pellet fuel.

Additionally, we are finished (or nearly finished) testing the CleanCook alcohol stove, kerosene pressure and wick stoves, Peko Pe TLUD with chipped wood, Mwoto TLUD with wood, other wood-burning stoves (BioLite HomeStove, Turbococina, Jikopoa, Vesto, Greenway, Ecocina), and three types of solar cookers (parabolic, box, and reflector).

We tested three charcoal stoves (Envirofit CH-4400, EcoZoom Jet, Prakti Leo) before the charcoal stove protocol guidelines were developed, but we may retest them, because I think the new protocol will work better.

Stoves remaining to test: Patsari, Prakti Institutional, In-Stove 60-liter Institutional, Burn charcoal stove.

We are starting to write up EPA reports with results on the stove/fuel combinations we tested – we have been working on a faster process for testing and reporting results in the future.

We also will publish peer-reviewed papers, and we would be glad to collaborate on related work, but we wouldn't want to delay any of your imminent publications because of EPA's onerous QA and review process.

I'm especially interested in comparing field and lab results, and I think we have a great opportunity!

Best regards,

Jim

From: mjohnson14@gmail.com [<mailto:mjohnson14@gmail.com>] **On Behalf Of** Michael Johnson

Sent: Thursday, February 27, 2014 7:19 PM

To: Ranyee Chiang

Cc: Jetter, James; Mitchell, John; omar masera (omasera@gmail.com); ilse ruiz (ilse.ruiz@gmail.com); Charity Garland

Subject: Re: coordination on publishing lab and field testing results

Thanks Ranyee, and hi Jim, Omar, and Ilse!

It was good to at the ISO conference - there is a lot of related data that we are all going to be putting out soon!

It's very exciting. Here's a quick overview of what we are planning for our current publications:

Paper 1 is a short update with KPT results from the second round of EPA capacity building. It will include fuel consumption results from Uganda (LPG), India (EcoChulha wood burning fan stove), and Benin (Eclair charcoal stove). This will be a straightforward presentation of the results, with some additional analysis of how hypothetical usage rates of the EcoChulha impact fuel savings. This paper is almost ready for submission. Paper 2 will be an emissions paper including the results from those same EPA projects, plus the Alliance funded field studies of stoves in Uganda, Vietnam, and Kenya. The core output will be mapping emission rates of PM2.5 and CO, similar to how we mapped emissions performance of various stoves types for the IWA (also similar to figures 3 and 4) in Jim's latest paper. We'll also have sections on BC/OC, GHGs, and fuel consumption. Right now the data set includes 18 stove/fuel combos, including LPG, charcoal, fan, and pellet stoves. So it's a nice spread of fuels, techs, and geographies. There's good overlap with what Jim has been testing, so we would like to point towards his testing in the paper in which hopefully we can do some lab/field comparisons when that data is ready to be published. We don't have anything about usage in this paper, but would be happy to consider some linkages, or share data for integrating with usage estimates. We are plugging away at it right now and hopefully we can have a draft ready for submission in a month.

That's the update from our end.

Take Care,
Michael

Michael Johnson, Ph.D. | Senior Scientist
Berkeley Air Monitoring Group | www.berkeleyair.com

On Tue, Feb 25, 2014 at 7:44 AM, Ranyee Chiang <rchiang@cleancookstoves.org> wrote:

Ilse, Jim, John, Michael, Omar,

Michael and I had a chat in Nairobi about publication plans, including the ways that different publications from different studies could connect to each other, and the implications of the lab and field results. For example, depending on the timing of when the EPA/Berkeley Air, EPA/lab, Global Alliance/Berkeley Air, Global Alliance/UNAM go out, each publication could include discussion about how these different efforts present different or similar views on the IWA and what we might want to do next. This is not covering all of the possible nuances and opportunities, but I wanted to send a quick note on this so that as you are all planning for publishing and publicizing your results, this is something to think about.

As the Global Alliance funded studies are wrapping up, we'll also plan to share results in a webinar soon, so this could be a good time share with EPA, and get some of these discussions moving forward. And maybe sharing draft results and reports would be useful in the mean time.

Thanks,
Ranyee



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